



N^o 10,088



A.D. 1901

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COMPLETE SPECIFICATION.

“ Improved Apparatus for Treating Affected Parts of the Body with Heat, Light, or Electricity in certain Cases Simultaneously ”

I, IGNAZ TIMAR, of 14, Kommandantenstrasse Berlin, in the Empire of Germany, Director, do hereby declare the nature of my said invention, and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

- 5 The object of this invention is an apparatus by means of which affected parts of the body can be treated alternately or simultaneously with light, electricity and heat, according to the effect intended to be produced on the organism. In connection therewith it is also possible to employ moist heat instead of dry, so that by the introduction of this slight and purely practical alteration moisture
10 can also be made use of as a fourth factor in the curative operation.

Fig. 1 is an interior view of the apparatus.

Fig. 2 a section along the line A B in Fig. 1

- The principal body, hollow vessel or compress 1, made of suitable material, preferably sheet metal, serves as support for the other apparatus, and is in its
15 external form suitably adapted to that of the affected part of the body. The interior of this hollow body is filled with acetate of soda, hydrate of barium or other salt which by melting in distilled water produces heat in large quantities, in the manner of the well-known thermophor vessel.

- On this body, at suitable distances apart the insulating bodies which are
20 made of hard india-rubber or similar material and are also hollow are fixed. The fixing of the same may be effected by means of screws or other contrivances and the form of this body is optional.

- On the insulating bodies 2 the metal plates 3 are fixed in some suitable manner, for instance by screws, and their conductors 4 are suitably carried
25 through the insulating bodies and to the source of electricity that is to be employed, which can be arranged according to requirement for high or low tension continuous current, alternating current or finally for “influence” electricity (electrostatic induction).

- By the putting on of the insulating bodies 2 suitably broad grooves are pro-
30 duced on the principal vessel 1 which can be closed by the screw 6, and in the intersections of these grooves, the necessary connecting pieces being employed, sources of light, preferably electric incandescent lamps of suitable form and size are placed. The conduction of the wires to these incandescent lamps as like-
wise that of the electrode conductors 4 is suitably effected at both sides of the
35 incandescent lamp in the grooves formed by the insulating pieces 2. However, the whole of the parts can be joined in any other practical manner.

- By means of suitable switch mechanism the affected parts of the body can at once and without any other alteration be heated as desired and according to requirements with a greater or lesser amount of heat, with light or electricity.
40 In case it be desired cold may also be employed by introducing cold water.

By laying pieces of moist felt, cloth or the like on the metal electrodes 3 moist heat can also be obtained.

The construction of the different parts of the entire apparatus forms no part of the invention either as regards the material employed or the shape adopted.

Improved Apparatus for Treating Affected Parts of the Body with Heat, &c.

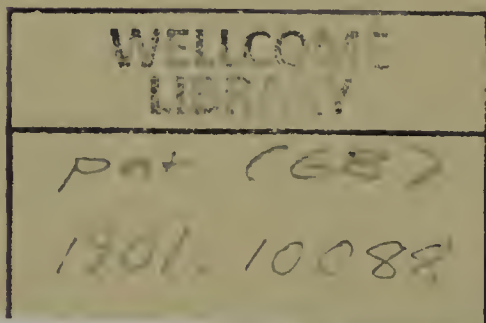
Having now particularly described and ascertained the nature of my said invention, and in what manner the same is to be performed, I declare that what I claim is:—

The improved apparatus for treating affected parts of the body with heat, light or electricity in certain cases simultaneously the distinguishing feature 5 being the arrangement on a hollow vessel or a compress adapted to the form of the body of a series of insulating pieces 2 of any preferred form, the upper ends of which support electrodes 3 connected with conductors 4, sources of light, for instance, incandescent lamps 5 being placed in the intersections of the grooves formed by the different insulating pieces substantially as shewn and 10 described

Dated this 15th day of May 1901

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Fig. 1

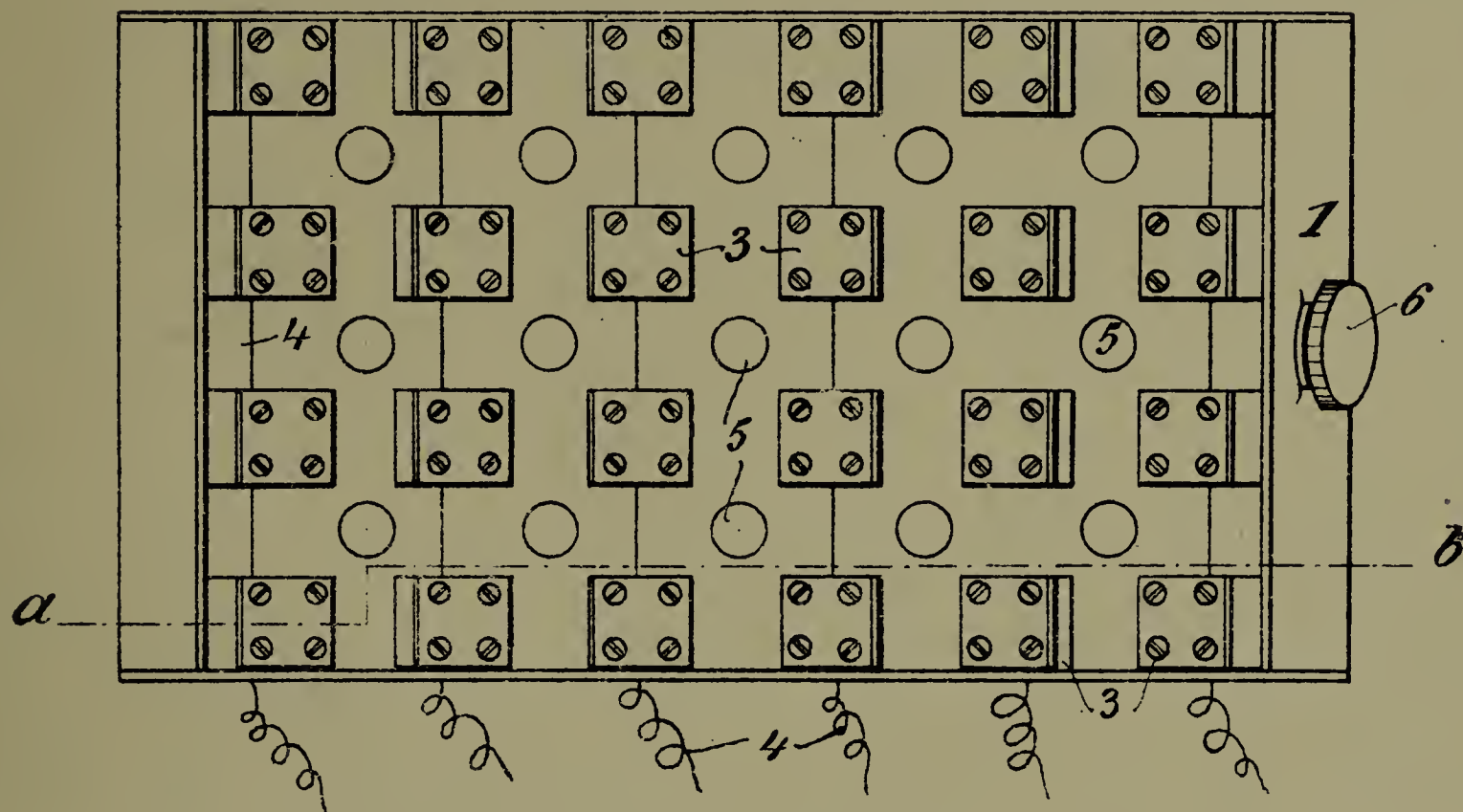
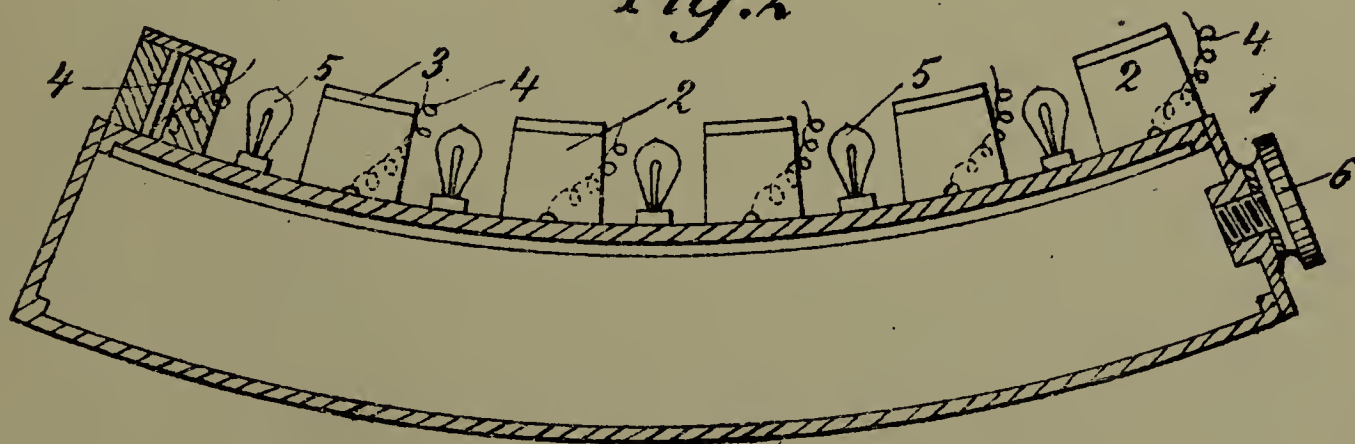


Fig. 2



[This Drawing is a reproduction of the Original on a reduced scale]

